	2. Transportable Radio Station, Systems I and II - The long aited Transit - Operating Cases were finally received at the warehouse. e mock-up of these stations should be completed early in December.	
2X4 out	tereneres were rindreduced during one first freta desos of one	5X1A5A^ かと
cei the it the men	ving antenna transmission lines. Since the interaction was a case of	5X1A5A <sup>-</sup>
	4. <u>HFL-1000 Linear Amplifier</u>	251///
	a. A trouble report from on a design deficiency in T-203 (110 to 220 V. transformer) started a flurry of tests by the manufacturer, the transformer manufacturer and us. At this time, everyone agrees that the T-203 gets hot when operated on 50 cycle power but a corrective measure has not yet been decided on for amplifiers already in the system. We will have a firm answer by the next reporting period.	25X1A6 <i>i</i>
25X1A5A1	b. The test of the HFL-1000 is nearing completion. We are requesting a second check on the reported presence of RF in the power supply.	
25X1A5A1	c. A meeting was called by OL/PD to initiate negotiations with representatives for the purchase of 100 improved HFL-1000's; a representative from OC-E attended. No contract was signed at this meeting, but all technical changes and modifications were agreed on, with a delivery schedule to begin 150 days after receipt of order.	
5X1C13B		

2	25X1C13B	
	6. PAL-350 Linear Amplifier - The PAL-350 component failures as reported from various field stations have been compiled into a master listing. Preliminary analysis indicates that five components in the power supply and three in the amplifier will require corrective action. A complete report will be published in a few days; the manufacturer will on the routing list, and we are exploring the possibility of his correct defects at no cost to us.	be ing
25X1A5	A1 7. ISSB-63-1A, 10-channel SSB Exciter - The manufacturer reports that it will be approximately two more weeks (or 15 Dec.) before delivering the first two (of a total of thirty-five) remote-control exciters. One will be sent to the R&D Lab for an A&A, the other deliver to for operational testing and use.	
25X1A5A	8. Auto-Select - Work is continuing on the Auto-Select Frequency Shift Converter unit being developed by Tests will be started in the next several weeks between Alcott Hall and in order to compare the narrow shift unit with a Northern 174 which had been provided to as G.F.E. We have obtained approval to use a number of frequencies for transmission from our shop in Alcott Hall for this and similar test purposes.	25X1/s s 25X1A5A1 er
25X1A8A 25X1A6A 2 <b>8%XA</b> A5A1	9. Fly-Away Air Ground Communication System - The R&D Lab at will design and build a unit to insert an audio tone in the Beat Transmitter which is part of the Ground to Air fly-away package being con	m- able
***	B. WIRE ENGINEERING	
	l. Selector Magnet Shield - The has been approached to arrange for the production of the shield as well as the modified parts as standard Teletype items. To date, the ration has elected to sub-contract to the for the shield production. The status of this sub-contract is not yet known, but word is expected during the next reporting period. The estimated delivery time of production items is nine months. Therefore, we	25X1A5A1 25X1A5A1 25X1A5A1
	have requested that a quantity of fifty (50) Selector Magnet Shield Kits be "hand made" by the for delivery in four or five months. Cost estimates expected during the next reporting period.	25X1A5A1

nigo.m.		
25X1A5/	has been shipped 12 ASR's and associated items for TOTEM production. Delivery is estimated for mid-February 1965. These units will be almost identical to the four previous units built. Instruction manuals were sent to all interested parties.	
den u	3. Model R-80 Optical Repeater - All requested units have been received and are under test in Alcott Hall.	
	4. R-85 - Two R-85 units have been received for evaluation. These are similar to the R-80 except that the output signal is inverted; and thus, the R-85 can be used in the KW-26 to replace the present sigma 72 contact relay. Operation has been reliable up to 160° F., obtainable in the KW-26 due to poor air circulation.	·
na vin	5. R-100 - Tests are continuing. Two units with a three section filter on the Input side were supplied to OC-SP/CEN for further RFI evaluation.	
25X1A5A	A1 6. Relays 601-26 - is back in the picture again and may yet provide modification kits to update the 312 units procured a few years ago. It is expected that they may desire us to pay part of the cost for the modification. If the cost is too high, the modification will be dropped as the units can be used as they are for limited purposes.	25X1A5A1
25X1A5A	7. Morse-To-Baudot Convertor - Model 670 - The prototype unit has been received. A slight problem developed during T&I and is now being Corrected. Mr. has requested use of this unit and the CV-19 (Baudot-to-Morse converter) with associated TTY tape reader for operational evaluation. This test should be completed by mid-December.	.l
	8. <u>KW-7/TWX</u> - In a meeting with C&P it was determined that the KW-7 TWX "marriage" will be tested in Alcott Hall. The purpose of this test wi be to establish installation and operating procedures, and gather reliability data on the system. It is expected that the test will start late this month.	
25X1A5A1		25X1A5A1
···	,	25X1A5A1
25X	1A6B. KW-7/Fixed Plant Installation - The live circuit test between langley and has been delayed until mid-December or January due to installation difficulties and lack of parts.	
n, Nasa		
	18 Dec.	
	KW-7 in a	
	Kw-1 in a Mosler sofe	
·-		
	4. Approved For Release 2002/08/26 : CIA-RDP78-02820A001000060042-8	

.w.	ll. Curtain Post Packages - A Teletype rack for use with the "Curtain" Post Installation packages was assembled and shipped to T&I. This unit is being used as a prototype for fabricating four additional units.	
25X1A5A1	12. Test Message Generator - Ten of these units were ordered for base station use. These "foxers" utilize solid state design, are rack mountable, and generate an 80-character programmable test message.	
	13. KAB-150 - NSA Filter Installation (KW-26) - A modification work order concerning the additions and deletions for KAB-150 has been written and is now being printed. All necessary parts for the technical bulletin are in Alcott Hall.	
	14. KAB-149 - NSA Filter Installation (KW-26) - We are still awaiting receipt of KAB-149 from OC-S.	
	15. HW-28 Program	
	a. Units are presently under test both at and the SP Lab.	25X1A5A1
	b. An MWO has been prepared and is being printed explaining the modification to provide single step operation for the HW-28 TD units.	
25X1A5A1	c. A contract has been let for 400 8" reel holders to	25X1A5A1
	16. M-28 Stunt Box Design/NPIC - An M-28 Stunt Box modification is being designed for NPIC to provide a more reliable means for vertical tabulation of page copy. All required parts are on order.	
	17. M-28 Stunt Box Modification Langley Signal Center - All installation instructions and modification kits have been turned over to TSB for the modification of ten M-28 printer units. These modified printer units will provide proper "matting" of incoming messages for direct use by the cable secretariat.	
	C. AREA ENGINEERING SUPPORT	25X1A9A
25X1A6B 25X1	l. SSB Installation - Mr. was TDY to and during the period 18 October to 9 November. At he supervised the installation of the SSB MUX equipment, made a technical survey/inspection of both the "R" and "T" site antenna fields in preparation	25X1A6B 25X1A6B
25X1A	for future change and discussed with the Cotage technical and other	25X1A5A1 25X1A6A

, order or	25X1A	
25X1A6A 25X1A6A	a. During his European TDY, Mr. was briefed by Chief, and staff on the new Receiver site, inspected the site and held several meetings to discuss and review space, equipment, antennas and other requirements pertaining to the new installation.	25X1A9A
- 11776	b. Final revision of space and building requirements was completed by representatives of OC-E and OC-ED at a meeting on 23 November. (The original total square footage estimates exceeded the \$400,000 limit established for this project.) The revisions were presented to OL/RE&CD on 24 November for incorporation in the final scope of work, drawings and request for A&E.	
25X1A	c. OL/RE&CD hopes to have the entire package completed, signed off on and introduced to the for action early in December.	25X1
25X1A6A		
25X1A6B 25X1A6B	a. MAX-l - A generous quantity of traffic was exchanged with relating to problems encountered with MAX-l plant facilities; namely, air conditioning, water chillers and uninterrupted power.	25X1A6A
	(1) The two disc file water chillers are being replaced with units of higher capacity.	
<b>■</b> 00.0	(2) The OICC air conditioning consultant has, in conjunction with Washington, made recommendations to provide backup air conditioning for the project.	
25X1A5A	1 (3) The representative departed after several days on site UPS repairs, adjustments, and training.	25X1A6B
25X1A6B	b. Power - A request was forwarded to OL/RE&CD to review the power distribution system at the receiver site and forward recommendations for improvement. The present power system has become cumbersome and any further expansion would be most difficult.	

25X1A6, 25X1A6,		c The architectural department returned from after discussions relative to siting the proposed communications building. The A&E drawings for the basement located comcenter are complete, less air conditioning (which requires the most attention); we have requested copies from the post.	25X1C4A
25X1A6A 25X1C4			25X1 <b>2/56</b> XA
			25X <sup>-</sup>
25X1A9A 25X1A9A		ADMINISTRATIVE  1. Mr is attending KG-13 training.  2. Mr attended three weeks of "Red-Black" concept training NSA.  3. Technical Bulletins No. 83 and 84 (Test Procedures for KA/A-5 KA-2 Keying Adapters) were published.	
25X1A2G	Е.	INACTIVE PROJECTS  E-5085 Communication System Planning New Building E-5159 Line Battery Supply Replacement E-5213 Transistorized Multicoupler E-5217	
			25X1A9A